

A data mining and analysis method and system can be implemented in an open architecture and use a multiple-tiered design to collect and analyze data relating to network devices in essentially real-time or near real-time. Analyzer modules are implemented in a distributed, multi-layered manner and process log data in a distributed and hierarchical manner to reduce data transfer needed for reporting. Analyzer modules analyze sequences of numbers and strings generated from software that understands analyzer module commands such as a parser module for such applications as collecting real-time voting information, and analyzing and aggregating real-time number sequence generated by media servers, among other applications.